

ABSTRACT OF THE DISCLOSURE

Medical devices, and in particular implantable medical devices, may be  
5 coated to minimize or substantially eliminate a biological organism's reaction to  
the introduction of the medical device to the organism. The medical devices  
may be coated with any number of biocompatible materials. Therapeutic  
drugs, agents or compounds may be mixed with the biocompatible materials  
and affixed to at least a portion of the medical device. These therapeutic  
10 drugs, agents or compounds may also further reduce a biological organism's  
reaction to the introduction of the medical device to the organism. In addition,  
these therapeutic drugs, agents and/or compounds may be utilized to promote  
healing, including the formation of blood clots. Also, the devices may be  
modified to promote endothelialization. Various materials and coating  
15 methodologies may be utilized to maintain the drugs, agents or compounds on  
the medical device until delivered and positioned. In addition, the devices  
utilized to deliver the implantable medical devices may be modified to reduce  
the potential for damaging the implantable medical device during deployment.  
Medical devices include stents, grafts, anastomotic devices, perivascular  
20 wraps, sutures and staples. In addition, various polymer combinations may be  
utilized to control the elution rates of the therapeutic drugs, agents and/or  
compounds from the implantable medical devices.